

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/052162

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G09G5/00 G06F13/00 H03M5/06 H04L5/20 H04L25/49

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G09G G06F H03M H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 259 002 A (CARLSTEDT ET AL) 2 November 1993 (1993-11-02) abstract column 1, line 26 - line 45 column 3, line 42 - line 60 column 4, line 35 - column 5, line 10 column 6, line 43 - column 7, line 18 column 12, line 13 - line 55	1-13
X	WO 99/32984 A2 (SIEMENS AKTIENGESSELLSCHAFT; BEYER, HANS-JUERGEN) 1 July 1999 (1999-07-01) page 1, line 23 - line 29 page 4, line 25 - page 5, line 6 ----- -/--	1-13

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

Z document member of the same patent family

Date of the actual completion of the international search

27 January 2005

Date of mailing of the international search report

03/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Koukourlis, S

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/052162

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 6 359 931 B1 (PERINO DONALD V ET AL) 19 March 2002 (2002-03-19) abstract column 3, line 42 - column 4, line 25 column 9, line 66 - column 10, line 32 column 15, line 25 - line 51 -----</p>	1-13

INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No

PCT/IB2004/052162

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5259002	A	02-11-1993	AT 103126 T	15-04-1994
			AU 647515 B2	24-03-1994
			AU 8314591 A	02-03-1992
			CA 2086556 A1	03-02-1992
			CN 1058681 A	12-02-1992
			DE 69101443 D1	21-04-1994
			DE 69101443 T2	23-06-1994
			EP 0541675 A1	19-05-1993
			ES 2050544 T3	16-05-1994
			IL 99050 A	29-12-1994
			JP 5509212 T	16-12-1993
			LT 383 A	25-11-1994
			NZ 239243 A	22-12-1994
			WO 9202988 A1	20-02-1992
			ZA 9106122 A	29-04-1992
WO 9932984	A2	01-07-1999	DE 19756540 A1	01-07-1999
			AT 209376 T	15-12-2001
			CN 1140086 C	25-02-2004
			DE 59802769 D1	21-02-2002
			EP 1038232 A2	27-09-2000
			ES 2168809 T3	16-06-2002
			ID 26500 A	11-01-2001
			JP 2001527239 T	25-12-2001
US 6359931	B1	19-03-2002	US 6694377 B1	17-02-2004
			US 6005895 A	21-12-1999
			US 2002186777 A1	12-12-2002
			AU 5529698 A	17-07-1998
			EP 0947070 A2	06-10-1999
			WO 9828887 A2	02-07-1998